Incentive points: Although not a federally mandated requirement for the grant, Arizona may award incentive points to proposals submitted by applicants who have not been previously funded by the MSP Program or from specific geographic areas in need of quality professional development in the area of secondary mathematics.

1. Partnership Needs Assessment:

The needs assessment should indicate a clear statement of needs derived from multiple sources and multiple years if available.

Criteria	Exceeds Standard	Meets Standard	Below Standard
1a.	5 points	4 points	0 points
Baseline data	There is clear evidence of baseline data from 3 or more teacher and/or student sources (i.e., norm-referenced assessments, AzMERIT data, district benchmark assessments, college	There is clear evidence of baseline data from 1 teacher and 1 student source (i.e., norm-referenced assessments, AzMERIT data, district benchmark assessments, college transcripts, etc.)	Limited baseline data is given. Needs identified are not adequately supported by evidence. Data is not appropriately disaggregated.
	transcripts, etc.) to support the selected mathematics professional development needs of the school population. Both teacher and student data are provided. Number and percentage of students to be impacted per site is indicated. Specific student learning needs are provided. Data is disaggregated by concept and school.	to support the selected mathematics professional development needs of the school population. Teacher and student data are provided. Number and percentage of students to be impacted per site is indicated. Specific student learning needs are provided. Data is disaggregated by concept and school.	

^{*}Up to 8 points may be added at the discretion of the review team based on the quality of the proposal.

1. Partnership Needs Assessment:

The needs assessment should indicate a clear statement of needs derived from multiple sources and multiple years if available.

Criteria	Exceeds Standard	Meets Standard	Below Standard
1b. Identification of professional development needs	4 points Provides information on the number and percentage of 7-12 teachers who have sufficient and insufficient professional development in mathematics content knowledge disaggregated by school. The needs assessment also includes a correlation between teachers' content knowledge in mathematics and student achievement.	3 points Provides information on the number and percentage of 7-12 teachers who have sufficient and insufficient professional development in mathematics content knowledge disaggregated by school.	O points Vague or limited information is given about the number of 7-12 teachers with sufficient and insufficient professional development in mathematics content knowledge. Data is not appropriately disaggregated.
1c. Prioritization of professional development needs	3 points There is clear evidence included that partners have collectively determined which professional development needs are of the highest priority and will be addressed by the project. The needs assessment demonstrates a clear alignment between needs and the targeted mathematics content.	2 points Some evidence is provided to show that the targeted professional development needs were selected with input from project partners. The needs assessment demonstrates a clear alignment between needs and the targeted mathematics content.	O points Limited or no evidence is given to indicate why the partnership selected the targeted professional development needs. The targeted professional development needs do not align with targeted mathematics content.

2. Partnership Project SMART Goals and Objectives:

The project SMART goals and objectives should be closely linked to the professional development needs of the teachers.

Criteria	Exceeds Standard	Meets Standard	Below Standard

2. Partnership Project SMART Goals and Objectives:

The project SMART goals and objectives should be closely linked to the professional development needs of the teachers.

Criteria	Exceeds Standard	Meets Standard	Below Standard
2a.	5 points	4 points	0 points
Description of the	Goals are clear and objectives are	Goals and objectives are well defined	Goals or objectives are poorly
project's goals and	specific, measurable, attainable,	and measurable. Objectives include	designed and/or not measurable.
objectives	results-oriented, time bound (SMART).	reducing number of teachers not	
	Objectives include reducing number of	adequately prepared to teach	
	teachers not adequately prepared to	mathematics and increasing academic	
	teach mathematics and increasing	achievement of students taught by	
	academic achievement of students	teachers in the program.	
	taught by teachers in the program.		
2b.	5 points	4 points	0 points
Project is designed to	Goals and objectives are specifically	Goals and objectives are linked to the	Goals or objectives are poorly
achieve goals and	linked to the individual professional	professional development needs of the	correlated with the needs assessment.
objectives	development needs of the teachers.	teachers.	
2 c.	3 points	2 points	0 points
Theory of action plan or	Describes a detailed theory of action	Describes a theory of action plan or	Little or no connection is made
logic model is linked to	plan or logic model that clearly links to	logic model that links to the goals and	between the theory of action plan or
goals and objectives of	the goals and objectives of the project.	objectives of the project.	logic model to the goals and objectives
project			of the project.

3. Research/Evidence Base and Efficacy of Plan to Increase Student Achievement:

Criteria Ex	xceeds Standard	Meets Standard	Below Standard
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3. Research/Evidence Base and Efficacy of Plan to Increase Student Achievement:

Criteria	Exceeds Standard	Meets Standard	Below Standard
3a. Connecting prior professional development efforts to proposed project	3 points Provides a detailed description of prior efforts to improve teacher content knowledge and student achievement in mathematics, lessons learned from these prior efforts, and how this project will build on those efforts.	2 points Describes prior efforts to improve teacher content knowledge and student achievement in mathematics and relates how this project will build on those efforts.	1 points Does not adequately address prior efforts to improve teacher content knowledge and student achievement in mathematics and/or how this project will build on those efforts.
3b. Activities are linked to goals and objectives of proposal	5 points Provides specific and clear activities that link to the goals and objectives stated in the project and the data provided by the needs assessment.	4 points Evidence is provided that activities will lead to achievement of the goals and objectives.	O points Little or no correlation is made between activities and achievement of the project's goals or objectives.
3c. Supporting research linking professional development strategies and increased student achievement in mathematics	6 points Clearly outlines how the professional development strategies are valid and reliable, based on a review of scientifically-based research, and how the project expects to increase student academic achievement in mathematics and strengthen the quality of mathematics instruction.	5 points Includes clearly documented scientifically-based research that the professional development strategies will increase student achievement in mathematics and strengthen the quality of mathematics instruction.	O points Proposal includes references but provides little evidence of research linking professional development strategies to increased student achievement in mathematics and/or strengthening of the quality of mathematics instruction.

3. Research/Evidence Base and Efficacy of Plan to Increase Student Achievement:

Criteria	Exceeds Standard	Meets Standard	Below Standard
3d.	4 points	3 points	0 points
Description and timeline	Includes a clear and detailed	Includes a general description	Includes an incomplete description
of professional	description (outlining the targeted	(outlining the targeted concepts and	and/or timeline.
development activities	concepts and activities) and timeline of	activities) and timeline of all the	
	all the professional development	professional development activities (80	
	activities (80 hours of rigorous & deep	hours of rigorous & deep mathematics	
	mathematics content, 40 hours of	content, 40 hours of Formative	
	Formative Assessment Insight and	Assessment Insight and optional	
	optional additional hours of up to 40	additional hours of up to 40 hours	
	hours which emphasize instruction, for	which emphasize instruction, for a	
	a minimum of 120 hours) Timeline	minimum of 120 hours) Timeline	
	includes the number, types, duration,	includes the number, types, duration,	
	intensity and responsible partner(s).	intensity and responsible partner(s).	
3e.	5 points	4 points	0 points
Planned activities are	Includes a clear and detailed	Describes professional development	Provides a limited description of how
aligned with Arizona's	description of how the proposed	that is aligned to targeted	the professional development is
Mathematics Standards	professional development will be	domains/clusters within Arizona's	aligned to targeted domains/clusters
	aligned to targeted domains/clusters	Mathematics Standards.	within Arizona's Mathematics
	within Arizona's Mathematics		Standards.
	Standards.		

3. Research/Evidence Base and Efficacy of Plan to Increase Student Achievement:

Criteria	Exceeds Standard	Meets Standard	Below Standard
3f. Planned activities are aligned with InTASC Teaching Standards and the Learning Forward Standards	3 points Describes a detailed plan that clearly illustrates how the proposed professional development is aligned with the InTASC Teaching Standards and the Learning Forward Standards, and provides for work-embedded application of new learning, continuous reflection, and ongoing support.	2 points Describes how the proposed professional development is aligned with the InTASC Teaching Standards and the Learning Forward Standards, and provides for work-embedded application of new learning, continuous reflection, and ongoing support.	O points Does not provide sufficient evidence describing how the proposed professional development is aligned with the InTASC Teaching Standards and the Learning Forward Standards, or does not provide for workembedded application of new learning, continuous reflection, and ongoing support.
3g. Planned activities contain rigor and challenging content and develop pedagogical content knowledge	6 points Includes evidence that the professional development is rigorous and challenging in academic content and explicitly addresses knowledge of content and students and knowledge of content and teaching. (Evidence of rigor and challenge should be in the sample lesson plan with technology integration, description, and timeline.)	5 points Includes evidence that the professional development is rigorous and challenging in academic content and also develops pedagogical content knowledge. (Evidence of rigor and challenge should be in the sample lesson plan, description, and timeline.)	O points Provides limited evidence that the professional development is rigorous or challenging in academic content and/or focuses mainly on pedagogy.

3. Research/Evidence Base and Efficacy of Plan to Increase Student Achievement:

Criteria	Exceeds Standard	Meets Standard	Below Standard
3h.	3 points	2 points	0 points
Design elements for	Proposed detailed, coherent plan that	Proposed plan is aligned to a	Proposed plan is aligned to a
planned activities	is aligned to a professional	professional development design that	professional development design that
	development design that fully develops	includes these 4 elements (see	is missing one or more of these 4
	these 4 elements (see "Definitions"	"Definitions" section):	elements (see "Definitions" section) or
	section):	 Build Content Knowledge 	the sample plan does not provide
	 Build Content Knowledge 	 Content Planning 	evidence that all four elements are
	 Content Planning 	 Implementation 	addressed:
	 Implementation 	Building Professional Culture	Build Content Knowledge
	 Building Professional Culture 	Provides within sample plan, evidence	 Content Planning
	Provides within sample lesson plan,	that all four elements are addressed	 Implementation
	evidence that all four elements are	including technology integration.	Building Professional Culture
	addressed including technology	Description of activities and timelines	Description of activities and timelines
	integration. Description of activities	demonstrate the implementation of	do not demonstrate the
	and timelines demonstrate the	the 4 elements and indicate that all	implementation of the 4 elements
	implementation of the 4 elements and	content offerings (summer and	and/or do not indicate that all sessions
	indicate that all content offerings	academic year) contain Build Content	contain Build Content Knowledge and
	(summer and academic year) contain	Knowledge and Building Professional	Building Professional Culture. None or
	Build Content Knowledge and Building	Culture. General plan indicating	limited plan indicated for
	Professional Culture. Detailed plan	responsibilities and timeline for	responsibilities and timeline for
	indicating responsibilities and timeline	creating and maintaining all grant	creating and maintaining grant
	for creating and maintaining all grant	documentation on internet accessible	documentation on internet accessible
	documentation on internet accessible	storage.	storage.
	storage.		

4. Partnership Evaluation and Accountability Plan:*

Identify evaluation methods that the project will use and explain why those methods are appropriate for the identified needs the proposal addresses. A proposal must make a compelling case for the activities of the project and describe how the activities will help the MSP program build a rigorous, cumulative, reproducible, and usable body of findings.

*If one or more indicators in this section are scored "Below Standard," the grant proposal may be rejected.

Criteria	Exceeds Standard	Meets Standard	Below Standard
4a.	5 points	4 points	0 points
Design of evaluation	Describes a detailed evaluation plan	Describes a detailed evaluation plan	Describes an evaluation plan that is not
plan is based on quasi-	based on experimental design, with	based on a quasi-experimental design	based on experimental or quasi-
experimental or	defined treatment and control groups	in which intervention and carefully	experimental design. Strategies for
experimental design	with adequate sample sizes (at least 30	matched control groups are	recruitment and retention of
	teachers) in each group, in which	constructed, with adequate sample	intervention and control groups to
	intervention and control groups are	sizes (at least 30 teachers) in each	maintain sample size are not
	constructed by randomly assigning	group. Strategies for recruitment and	adequately addressed. Matching
	some teachers to participate in the	retention of intervention and control	characteristics and methods for
	project activities and others to not	groups to maintain sample size	reporting the equivalence of the
	participate. Strategies for recruitment	throughout the project is included.	groups are not provided or do not
	and retention of intervention and	Matching characteristics (including, at	meet the minimum criteria. The
	control groups to maintain sample size	a minimum, the length of time	evaluation plan does not adequately
	throughout the project is included.	teaching, grade band, educational	incorporate reporting requirements
	Matching characteristics for	degree, and area of education	(quarterly reports to ADE, Annual
	comparison (including, at a minimum,	specialization) and methods for	Performance Reports, and formal
	the length of time teaching, grade	reporting the equivalence of the	evaluation reports).
	band, educational degree, and area of	groups is provided. A short statement	
	education specialization) and methods	of the research questions to be	
	for reporting the equivalence of the	answered is included. The evaluation	
	groups is well developed and detailed.	plan incorporates reporting	
	A short statement of the research	requirements (quarterly reports to	
	questions to be answered is included.	ADE, Annual Performance Reports, and	
	The evaluation plan incorporates	formal evaluation reports).	
	reporting requirements (quarterly		
	reports to ADE, Annual Performance		
	Reports, and formal evaluation		
	reports).		

4. Partnership Evaluation and Accountability Plan:*

Identify evaluation methods that the project will use and explain why those methods are appropriate for the identified needs the proposal addresses. A proposal must make a compelling case for the activities of the project and describe how the activities will help the MSP program build a rigorous, cumulative, reproducible, and usable body of findings.

*If one or more indicators in this section are scored "Below Standard," the grant proposal may be rejected.

Criteria	Exceeds Standard	Meets Standard	Below Standard
4b.	5 points	4 points	0 points
Measurable evidence for impact of project on student achievement and teacher effectiveness goals	Required state measures (RTOP, valid mathematics content measures, FAI Self-Assessment) and additional measures (e.g., NRT, CRT, or district measures) are used to show the impact of the professional development on student achievement and teacher effectiveness. The evaluation plan includes both pre- and post- RTOP observations and pre- and post-testing of teacher content knowledge and student achievement for the intervention and control groups. Description of both summative and formative assessment procedures and the planned analysis of results are included. A description of the statistical tests that will be used in the analyses is well developed and detailed including within group and across group comparisons.	Required state measures (RTOP, valid mathematics content measures, FAI Self-Assessment) are used to show the impact of the professional development on student achievement and teacher effectiveness. The evaluation plan includes both pre- and post- RTOP observations and pre- and post-testing of teacher content knowledge and student achievement for the intervention and control groups. Description of both summative and formative assessment procedures and the planned analysis of results are included. A description of the statistical tests that will be used in the analyses is included.	Required state measures (RTOP, valid mathematics content measures, FAI Self-Assessment,) are not included and/or summative or formative assessment procedures are not described and/or an analysis of results is inadequate. A description of the statistical tests that will be used in the analyses is not included or lacks necessary details.

4. Partnership Evaluation and Accountability Plan:*

Identify evaluation methods that the project will use and explain why those methods are appropriate for the identified needs the proposal addresses. A proposal must make a compelling case for the activities of the project and describe how the activities will help the MSP program build a rigorous, cumulative, reproducible, and usable body of findings.

*If one or more indicators in this section are scored "Below Standard," the grant proposal may be rejected.

Criteria	Exceeds Standard	Meets Standard	Below Standard
4c.	3 points	1 point	0 points
Contribution to research	Evaluation plan clearly articulates how	Evaluation plan describes how the	Evaluation plan inadequately
	the activities will help the MSP	activities will help the MSP Program	articulates how the activities will help
	Program build a rigorous, cumulative,	build a rigorous, cumulative,	the MSP Program build a rigorous,
	reproducible, and usable body of	reproducible, and usable body of	cumulative, reproducible, or usable
	findings. Appropriate qualifications of	findings. The internal and external	body of findings and/or the internal
	the internal and external organization	organization or individuals responsible	and external organization or individuals
	or individuals responsible for executing	for executing the plan are referenced.	responsible for executing the plan are
	the plan are included.		not referenced.

5. Commitment and Capacity of Partnership:

The project description must clearly demonstrate the submitting partnership has the capability of managing the project, organizing the work and meeting deadlines.

Criteria	Exceeds Standard	Meets Standard	Below Standard
5a.	4 points	3 points	0 points
Partnership's role in planning and development of proposal and project development, delivery, and evaluation	Evidence is provided that clearly describes each partner's role in the planning and development of the proposal and each partner's role in the ongoing planning, delivery, and evaluation of the proposed project.	Evidence is provided that outlines each partner's role in the planning and development of the proposal and each partner's role in the ongoing planning, delivery, and evaluation of the proposed project.	Little or no evidence is provided to indicate the role of one or more partners.

5. Commitment and Capacity of Partnership:

The project description must clearly demonstrate the submitting partnership has the capability of managing the project, organizing the work and meeting deadlines.

Criteria	Exceeds Standard	Meets Standard	Below Standard
5b.	5 points	4 points	0 points
Duties and responsibilities related to the goals and objectives of the project	The proposal includes a detailed description of the duties and responsibilities of all project staff members and how they are aligned to the goals and objectives of the proposal.	The proposal includes an outline of the duties and responsibilities of all project staff members and how they are aligned to the goals and objectives of the proposal.	Inadequate information on the duties and responsibilities of all project staff members is provided.
5c.	4 points	3 points	0 points
Capacity of partnership	Evidence of the number and quality of staff to carry out the proposed activities and vitas for key partners' staff and Teacher Assurance Forms are provided. Project staff includes a mathematics faculty/mathematics educator team and the number of staff delivering the professional development is proportionate to the number of participants. A project director from the LEA is included. A detailed description of the specific institutional resources to support project activities is included.	Evidence of the number and quality of staff to carry out the proposed activities and vitas for key partners' staff and Teacher Assurance Forms are provided. Project staff includes a mathematics faculty/mathematics educator team and the number of staff delivering the professional development is proportionate to the number of participants. A project director from the LEA is included. An outline of the institutional resources to support project activities.	Explanation of capacity is inadequate and may be missing one or more of the criteria.

5. Commitment and Capacity of Partnership:

The project description must clearly demonstrate the submitting partnership has the capability of managing the project, organizing the work and meeting deadlines.

Criteria	Exceeds Standard	Meets Standard	Below Standard
5d.	3 points	2 points	0 points
Partnership governance	The partnership's governing structure specific to decision-making, communication, and fiscal responsibilities is well-defined and linked to the goals, objectives, and project activities. The proposal includes a description and evidence of how the private schools were informed.	The partnership's governing structure specific to decision-making, communication, and fiscal responsibilities is well-defined. The proposal includes a description and evidence of how the private schools were informed.	Inadequate information is provided related to partnership governance or how the private schools were informed.
5e. Sustainability	3 points There is a clear, specific and detailed plan for project continuation. The plan addresses the obstacles to future funding, how assessment data will be used, how the project will be promoted within the school and school districts, and how leadership capacity at the principal and teacher levels will be fostered.	2 points Description of how the project will be sustained and continued when state funding is no longer available is outlined in the plan. The plan addresses all of the following within the outline: how assessment data will be used, how the project will be promoted within the school and school districts and how leadership capacity at the principal and teacher levels will be fostered.	O points There is an inadequate plan for how the partnership will continue when the state funding is no longer available.

6. Partnership Budget and Cost Effectiveness:*

The budget justification should clearly be tied to the scope and requirements of the project. The budget narrative should describe the basis for determining the amounts shown on the project budget page. All proposals should include provisions for evaluation of the activities.

*Up to 2 incentive points may be awarded if one or more partners provide additional funding for the project beyond that requested in the MSP proposal

Criteria	Meets Standard	Below Standard
6a.	2 points	0 points
Budget details	The proposal provides a general summary of the	The proposal provides insufficient budget information
(In Narrative)	budget outlining specific costs of each category over	regarding specific costs of each category over the duration
	the duration of the project; the proposal includes a	of the project; the proposal provides insufficient
	budget summary for each partner; and the budget	information for each partner; or the budget does not
	supports the scope and requirements of the project.	support the scope and requirements of the project.
6b.	4 points	0 points
Cost effectiveness	The amount included in each budget category is	The amount included in each budget category is not
(In Appendix, Narrative)	detailed and commensurate with the services or	commensurate with the services or goods proposed, or
	goods proposed, and the overall cost of the project is	the overall cost of the project is not appropriate for the
	appropriate for the professional development	professional development provided and the number of
	provided and the number of teachers served.	teachers served.
6c.	2 points	0 points
Provisions for training,	The budget includes provisions for an evaluation and	The budget does not include adequate provisions for an
evaluation and required	funds for key staff, specifically the project director, to	evaluation and/or funds for key staff, specifically the
meetings	participate in state technical assistance meetings.	project director(s), to participate in state technical
(In Appendix)	External evaluation staff must attend the technical	assistance meetings, the external evaluation staff to
	assistance meeting. Funds are allocated for	attend the technical assistance meeting, or attendance at
	attendance at the Math RTOP training as needed.	the Math RTOP training.